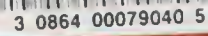


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Montana barley for malt, ... crop




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# MONTANA BARLEY FOR MALT 1992 CROP

 MONTANA  
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STATISTICS SERVICE  
301 South Park  
P.O. Box 4369  
Helena, MT 59601  
Phone: (406) 449-5303  
(800) 835-2612



**Released: September 8, 1993**

## MONTANA MALTING BARLEY UTILIZED TO PRODUCE MALT--1992 CROP

Maltsters and brewers purchased 10.1 million bushels of Montana's 1992 barley crop to make malt. This was 29 percent less than 1991 and 18 percent less than 1990. The 1992 malt barley utilization represented 19 percent of the total 1992 barley crop compared with 17 percent in 1991 and 22 percent in 1990.

Montana growers planted 1.35 million acres of barley in 1992. Of the total, about 467 thousand acres were planted to malting varieties. If the yield of malting varieties equaled the state average yield per planted acre for all barley then approximately 18.3 million bushels of malting type barley would be produced. Since 10.1 million bushels were used for malt the remaining 8.2 million bushels either did not make the malting grade or exceeded the demand for malting barley.

The average protein of the 1992 malting barley purchases was 12.1 percent. This is 0.2 lower than the 12.3 percent last year and 0.8 lower than the 12.9 percent of 1990.

This survey was requested and funded by the Montana Wheat and Barley Committee.

Special thanks to the maltsters, brewers, and grain firms who cooperated in furnishing data.

Montana Agricultural Statistics  
James K. Sands, State Statistician  
Steve Susemihl, Ag. Statistician

Montana Department of Agriculture  
Leo Giacometto, Director

Montana Wheat & Barley Committee



# MONTANA BARLEY USED TO PRODUCE MALT, 1990-92 CROPS


VARIETY	CROP* YEAR	DISTRICTS				STATE	
		N. CENTRAL	** CENTRAL	SOUTHWEST	S. CENTRAL	BUSHEL	PROTEIN
KLAGES	1990	2,020,000	80,000			2,100,000	13.0
	1991	1,200,000	119,000	357,000		1,676,000	12.4
	1992	60,000				60,000	12.7
HARRINGTON	1990	1,435,000	300,000			1,735,000	13.0
	1991	1,948,000	70,000			2,018,000	12.5
	1992	2,494,000	245,000			2,739,000	12.6
MORAVIAN III	1990	673,000			1,240,000	1,913,000	12.7
	1991	610,000			1,160,000	1,770,000	11.8
	1992	840,000			400,000	1,240,000	11.6
MOREX	1990	837,000	40,000	568,000	1,057,000	2,502,000	13.0
	1991	1,221,000	110,000	1,090,000	660,000	3,081,000	12.4
	1992	794,500		750,000		1,544,500	12.4
AB VARIETIES	1990	3,705,000				3,705,000	12.6
	1991	4,202,000	640,000		582,000	5,424,000	12.3
	1992	3,706,500		371,000	367,000	4,444,500	11.9
RUSSELL	1990	275,000	80,000			355,000	12.7
	1991	220,000	42,000			262,000	12.0
	1992	0	0			0	--
OTHER	1990		35,000		20,000	55,000	12.5
	1991	38,000				38,000	12.1
	1992	61,000	20,000			81,000	12.6
TOTAL	1990	8,945,000	535,000	568,000	2,317,000	12,365,000	12.9
	1991	9,439,000	981,000	1,447,000	2,402,000	14,269,000	12.3
	1992	7,956,000	265,000	1,121,000	767,000	10,109,000	12.1

\* Crop year defined as July 1 to June 30

\*\* Includes Northwest

338.1  
A m b m  
1993

# MONTANA BARLEY FOR MALT 1993 CROP

 **MONTANA  
AGRICULTURAL  
STATISTICS SERVICE**  
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## MONTANA MALTING BARLEY UTILIZED TO PRODUCE MALT--1993 CROP

Maltsters and brewers purchased 13.7 million bushels of Montana's 1993 barley crop to make malt. This was 36 percent more than 1992, but 4 percent less than 1991. The average protein of the 1993 malting barley purchases was 11.5 percent. This is 0.6 lower than the 12.1 percent last year and 0.8 lower than the 12.3 percent of 1991.

Montana growers planted 1.3 million acres of barley in 1993. Of the total, about 432.0 thousand acres were planted to malting varieties. If the yield of malting varieties equaled the state average yield per planted acre for all barley then approximately 21.2 million bushels of malting type barley would be produced. Since 13.7 million bushels were used for malt the remaining 7.5 million bushels either did not make the malting grade or exceeded the demand for malting barley. The 1993 malt barley utilization represented 22 percent of the total 1993 barley crop compared with 19 percent in 1992 and 17 percent in 1991.

PLEASE RETURN

This survey was requested and funded by the Montana Wheat and Barley Committee.

Special thanks to the maltsters, brewers, and grain farms who cooperated in furnishing data.

Montana Agricultural Statistics  
James K. Sands, State Statistician  
Steve Susemihl, Agricultural Statistician

Montana Department of Agriculture  
Leo Giacometto, Director

Montana Wheat & Barley Committee

# MONTANA BARLEY USED TO PRODUCE MALT, 1991-93 CROPS

VARIETY	CROP* YEAR	DISTRICTS				STATE	
		N. CENTRAL **	CENTRAL SOUTHWEST	S. CENTRAL	SOUTHEAST	BUSHELS	PROTEIN
KLAGES	1991	1,200,000	119,000	357,000		1,676,000	12.4
	1992	60,000				60,000	12.7
	1993	68,000	12,000			80,000	11.5
HARRINGTON	1991	1,948,000	70,000			2,018,000	12.5
	1992	2,494,000	245,000			2,739,000	12.6
	1993	5,580,000	740,000			6,320,000	11.5
MORAVIAN III	1991	610,000		1,160,000		1,770,000	11.8
	1992	840,000		400,000		1,240,000	11.6
	1993			300,000		300,000	12.0
MOREX	1991	1,221,000	110,000	1,090,000		3,081,000	12.4
	1992	794,500		750,000		1,544,500	12.4
	1993	1,045,000	50,000	280,000		1,375,000	12.1
AB VARIETIES	1991	4,202,000	640,000		582,000	5,424,000	12.3
	1992	3,706,500		371,000		4,444,500	11.9
	1993	4,840,000	150,000		530,000	5,520,000	11.3
RUSSELL	1991	220,000	42,000			262,000	12.0
	1992	0	0			0	--
	1993	0	0			0	--
OTHER	1991	38,000				38,000	12.1
	1992	61,000	20,000			81,000	12.6
	1993	33,000	33,000	36,000		102,000	11.5
TOTAL	1991	9,439,000	981,000	1,447,000	2,402,000	14,269,000	12.3
	1992	7,956,000	265,000	1,121,000	767,000	10,109,000	12.1
	1993	11,566,000	973,000	328,000	830,000	13,697,000	11.5

\* Crop year defined as July 1 to June 30

\*\* Includes Northwest

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1994

# MONTANA BARLEY FOR MALT 1994 CROP



MONTANA  
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## MONTANA MALTING BARLEY UTILIZED TO PRODUCE MALT--1994 CROP

Maltsters and brewers purchased 15.3 million bushels of Montana's 1994 barley crop to make malt. This was 11 percent more than 1993 and 51 percent more than 1992. The average protein content of the 1994 malting barley purchases was 12.1 percent. This is 0.6 points higher than last year, but the same as 1992.

Montana growers planted 1.3 million acres of barley in 1994. Of the total, about 485 thousand acres were planted to malting varieties. If the yield of malting varieties equaled the state average yield per planted acre for all barley, then approximately 19.7 million bushels of malting type barley would have been produced. Since 15.3 million bushels were used for malt, the remaining 4.4 million bushels either did not make the malting grade or exceeded the demand for malting barley. Barley utilized for malt represented 29 percent of the total 1994 barley crop compared with 22 percent of the total in 1993 and 19 percent in 1992.

This survey was requested and funded by the Montana Wheat and Barley Committee.

Special thanks to the maltsters, brewers, and grain farms who cooperated in furnishing data.

Montana Agricultural Statistics  
Peggy Stringer, State Statistician  
Steve Susemihl, Agricultural Statistician

Montana Department of Agriculture  
Ralph Peck, Director

Montana Wheat & Barley Committee



# MONTANA BARLEY USED TO PRODUCE MALT, 1992-94 CROPS

VARIETY	CROP* YEAR	DISTRICTS			STATE	
		N. CENTRAL **	CENTRAL SOUTHWEST	S. CENTRAL SOUTHEAST	BUSHEL	PROTEIN
KLAGES	1992	60,000			60,000	12.7
	1993	68,000	12,000		80,000	11.5
	1994	100,000	10,000		110,000	10.6
HARRINGTON	1992	2,494,000	245,000		2,739,000	12.6
	1993	5,580,000	740,000		6,320,000	11.5
	1994	5,094,300	763,000		5,857,300	12.5
MORAVIAN III	1992	840,000		400,000	1,240,000	11.6
	1993			300,000	300,000	12.0
	1994	285,000			285,000	10.7
MOREX	1992	794,500		750,000	1,544,500	12.4
	1993	1,045,000	50,000	280,000	1,375,000	12.1
	1994	755,000		469,000	1,224,000	12.4
AB VARIETIES	1992	3,706,500		367,000	4,444,500	11.9
	1993	4,840,000	150,000	530,000	5,520,000	11.3
	1994	5,518,720	246,000	500,000	6,264,720	12.1
GALENA	1992				0	--
	1993				0	--
	1994		187,000	1,120,000	1,307,000	10.7
OTHER	1992	61,000	20,000		81,000	12.6
	1993	33,000	33,000	36,000	102,000	11.5
	1994	45,000		178,000	223,000	12.6
TOTAL	1992	7,956,000	265,000	1,121,000	10,109,000	12.1
	1993	11,566,000	973,000	328,000	13,697,000	11.5
	1994	11,798,020	1,009,000	844,000	15,271,020	12.1

\* Crop year defined as July 1 to June 30

\*\* Includes Northwest



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# MONTANA BARLEY FOR MALT 1995 CROP



MONTANA  
AGRICULTURAL  
STATISTICS SERVICE

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Released: December 20, 1996

## MONTANA MALTING BARLEY UTILIZED TO PRODUCE MALT--1995 CROP

Maltsters and brewers purchased 20.1 million bushels of Montana's 1995 barley crop to make malt. This was 32 percent more than 1994 and 47 percent more than 1993. The average protein of the 1995 malting barley purchases was 11.8 percent. This is 0.3 lower than the 12.1 percent last year and 0.3 higher than the 11.5 percent for 1993.

Montana growers planted 1.3 million acres of barley in 1995. Of the total, about 477 thousand acres were planted to malting varieties. If the yield of malting varieties equaled the state average yield per planted acre for all barley then approximately 22.9 million bushels of malting type barley would be produced. Since 20.1 million bushels were used for malt the remaining 2.8 million bushels either did not make the malting grade or exceeded the demand for malting barley. The 1995 malt barley utilization represented 32 percent of the total 1995 barley crop compared with 29 percent of the total in 1994 and 22 percent in 1993.

This survey was requested and funded by the Montana Wheat and Barley Committee.

Special thanks to the maltsters, brewers, and grain farms who cooperated in furnishing data.

Montana Agricultural Statistics  
Peggy Stringer, State Statistician  
Steve Susemihl, Agricultural Statistician

Montana Department of Agriculture  
Ralph Peck, Director

Montana Wheat & Barley Committee

# MONTANA BARLEY USED TO PRODUCE MALT, 1993-95 CROPS

VARIETY	CROP* YEAR	DISTRICTS				STATE	
		N. CENTRAL **	CENTRAL	SOUTHWEST	S. CENTRAL	SOUTHEAST	BUSHEL PROTEIN
KLAGES	1993	68,000		12,000			80,000 11.5
	1994	100,000		10,000			110,000 10.6
	1995	65,000		35,000			100,000 11.7
HARRINGTON	1993	5,580,000	740,000				6,320,000 11.5
	1994	5,094,000	763,000				5,857,000 12.5
	1995	9,404,000	624,000	140,000		60,000	10,228,000 11.6
MORAVIAN III	1993				300,000		300,000 12.0
	1994	285,000					285,000 10.7
	1995	500,000					500,000 10.5
MOREX	1993	1,045,000	50,000	280,000			1,375,000 12.1
	1994	755,000		469,000			1,224,000 12.4
	1995	500,000		300,000			800,000 12.1
AB VARIETIES	1993	4,840,000	150,000		530,000		5,520,000 11.3
	1994	5,519,000	246,000		500,000		6,265,000 12.1
	1995	6,009,000	82,500		542,500		6,634,000 12.1
GALENA	1993						0 -
	1994			187,000	1,120,000		1,307,000 10.7
	1995				1,100,000		1,100,000 10.9
OTHER	1993	33,000	33,000	36,000			102,000 11.5
	1994	45,000		178,000			223,000 12.6
	1995	240,000	110,000	400,000			750,000 11.7
TOTAL	1993	11,566,000	973,000	328,000	830,000		13,697,000 11.5
	1994	11,798,000	1,009,000	844,000	1,620,000		15,271,000 12.1
	1995	16,718,000	816,500	875,000	1,642,500	60,000	20,112,000 11.8

\* Crop year defined as July 1 to June 30

\*\* Includes Northwest

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1996

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**BARLEY FOR MALT**

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**1996 CROP**

PLEASE RETURN



Released: October 29, 1997

## Montana Malting Barley Utilized to Produce Malt--1996 Crop

Maltsters and brewers purchased 18.7 million bushels of Montana's 1996 barley crop to make malt, down 7 percent from the previous year. The average protein of the 1996 malting crop was 12.4 percent, compared with 11.8 percent for the 1995 crop.

Montana growers planted 1.3 million acres of barley in 1996, unchanged from the previous year. Of the total, about 577 thousand acres were planted to malting type varieties. If the yield of malting varieties equaled the state average yield per planted acre for all barley then approximately 22.9 million bushels of malting type would be produced. Since only 18.7 million bushels were used for malt the remaining 4.2 did not make the malting grade or exceeded demand for malting barley. The 1996 malt barley utilized represented 36 percent of the total 1996 barley crop compared with 32 percent in 1995 and 29 percent in 1994.

This survey was requested and funded by the Montana Wheat and Barley Committee.

Special thanks to the maltsters, brewers, and grain farms who cooperated in furnishing data.

Montana Agricultural Statistics  
Peggy Stringer, State Statistician  
Bill Meyer, Agricultural Statistician

Montana Department of Agriculture  
Ralph Peck, Director

Montana Wheat & Barley Committee

# MONTANA BARLEY USED TO PRODUCE MALT, 1994-96 CROPS

VARIETY	CROP 1/ YEAR	DISTRICTS					STATE	
		N. CENTRAL 2/	CENTRAL	SOUTHWEST	S. CENTRAL	SOUTHEAST 3/	BUSHELs	PROTEIN
KLAGES	1994	100,000		10,000			110,000	10.6
	1995	65,000		35,000			100,000	11.7
	1996	36,000		125,000			161,000	11.7
HARRINGTON	1994	5,094,000	763,000				5,857,000	12.5
	1995	9,404,000	624,000	140,000		60,000	10,228,000	11.6
	1996	6,897,000	950,000	345,000			8,192,000	12.6
MORAVIAN III	1994	285,000					285,000	10.7
	1995	500,000					500,000	10.5
	1996	503,000			49,000		552,000	11.6
MOREX	1994	755,000		469,000			1,224,000	12.4
	1995	500,000		300,000			800,000	12.1
	1996	185,000		375,000			560,000	12.7
AB VARIETIES	1994	5,519,000	246,000		500,000		6,265,000	12.1
	1995	6,009,000	82,500		542,500		6,634,000	12.1
	1996	6,200,000	450,000		515,000		7,165,000	12.5
GALENA	1994			187,000	1,120,000		1,307,000	10.7
	1995				1,100,000		1,100,000	10.9
	1996	569,000			1,164,000		1,733,000	11.4
OTHER	1994	45,000		178,000			223,000	12.6
	1995	240,000	110,000	400,000			750,000	11.7
	1996	199,000	50,000	106,000		5,000	360,000	12.4
TOTAL	1994	11,798,000	1,009,000	844,000	1,620,000		15,271,000	12.1
	1995	16,718,000	816,500	875,000	1,642,500	60,000	20,112,000	11.8
	1996	14,589,000	1,450,000	951,000	1,728,000	5,000	18,723,000	12.4

1/ Crop year defined as July 1 to June 30

2/ Includes Northwest 3/ Includes Northeast



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338.1  
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1997

NA



MONTANA  
AGRICULTURAL  
STATISTICS SERVICE

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1997 CROP

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Released: October 2, 1998

## Montana Malting Barley Utilized to Produce Malt--1997 Crop

Maltsters and brewers purchased 23.8 million bushels of Montana's 1997 barley crop to make malt, 27 percent more than purchased the previous year. The average protein of the 1997 malting crop was 12.4 percent, which was the same as the 1996 crop. Last fall's lack of rain and frost provided growers a long harvest window that resulted in a great malt barley crop.

Montana growers planted 1.3 million acres of barley in 1997, unchanged from the previous year. Of the total, about 539,000 acres were planted to malting-type varieties approved by the American Malting Barley Association. If the yield of malting varieties equaled the state average yield per planted acre for all barley then approximately 26.4 million bushels of malting barley were produced. Since only 23.8 million bushels were used for malt the remaining 2.6 million bushels did not make the malting grade or exceeded demand for malting barley. The 1997 barley utilized for malt represented 37 percent of barley production compared with 36 percent utilized in 1996 and 32 percent utilized for malt in 1995.

PLEASE RETURN

This survey was requested and funded by the Montana Wheat and Barley Committee.

Special thanks to the maltsters, brewers, and grain farms who cooperated in furnishing data.

Montana Agricultural Statistics  
Peggy Stringer, State Statistician  
Steve Sakry, Agricultural Statistician

Montana Department of Agriculture  
Ralph Peck, Director

Montana Wheat & Barley Committee

# MONTANA BARLEY USED TO PRODUCE MALT, 1995-97 CROPS

VARIETY	CROP 1/ YEAR	DISTRICTS					STATE	
		N. CENTRAL 2/	CENTRAL	SOUTHWEST	S. CENTRAL	SOUTHEAST 3/	BUSHELs	PROTEIN
KLAGES	1995	65,000		35,000			100,000	11.7
	1996	36,000		125,000			161,000	11.7
	1997						0	
HARRINGTON	1995	9,404,000	624,000	140,000		60,000	10,228,000	11.6
	1996	6,897,000	950,000	345,000			8,192,000	12.6
	1997	11,724,000	2,635,000	111,000	200,000		14,670,000	12.6
MORAVIAN III	1995	500,000					500,000	10.5
	1996	503,000			49,000		552,000	11.6
	1997	480,000					480,000	11.8
MOREX	1995	500,000		300,000			800,000	12.1
	1996	185,000		375,000			560,000	12.7
	1997	255,000	153,000	461,000	121,000		990,000	12.5
AB VARIETIES	1995	6,009,000	82,500		542,500		6,634,000	12.1
	1996	6,200,000	450,000		515,000		7,165,000	12.5
	1997	5,050,000	410,000		500,000		5,960,000	12.3
GALENA	1995				1,100,000		1,100,000	10.9
	1996	569,000			1,164,000		1,733,000	11.4
	1997	105,000			1,046,000		1,151,000	11.3
OTHER	1995	240,000	110,000	400,000			750,000	11.7
	1996	199,000	50,000	106,000		5,000	360,000	12.4
	1997	369,000	106,000	64,000		5,000	544,000	12.1
TOTAL	1995	16,718,000	816,500	875,000	1,642,500	60,000	20,112,000	11.8
	1996	14,589,000	1,450,000	951,000	1,728,000	5,000	18,723,000	12.4
	1997	17,983,000	3,304,000	636,000	1,867,000	5,000	23,795,000	12.4

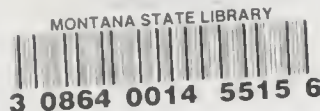
1/ Crop year defined as July 1 to June 30

2/ Includes Northwest 3/ Includes Northeast

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# Barley for Malt 1998 Crop



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Released: October 25, 1999

## Maltsters and Brewers Purchased 17.9 Million Bushels of the 1998 Barley Crop

Maltsters and brewers purchased 17.9 million bushels of Montana's 1998 barley crop to make malt, down nearly 25 percent from 1997 and down 4 percent from the 1996 crop year, according to a recent survey conducted by the Montana Agricultural Statistics Service. The survey was requested and funded by the Montana Wheat and Barley Committee. The average protein of the 1998 malting crop was 12.6 percent, compared with 12.4 percent for the 1997 crop.

Montana growers planted 1.35 million acres of barley in 1998, up 100,000 acres from 1997. Of the total, about 690 thousand acres were planted to malting type varieties. If the yield of malting varieties equaled the state average yield per planted acre for all barley then approximately 33.0 million bushels of malting type would be produced. Since only 17.9 million bushels were used for malt the remaining 15.1 did not make the malting grade or exceeded demand for malting barley. The malt barley utilized represented over 31 percent of the 1998 total barley crop compared with 39 percent in 1997 and 38 percent in 1996.

Harrington was the variety most frequently purchased by Maltsters and brewers and represented 63 percent of the total purchases. Anheuser Bush varieties were the second most commonly purchased. Sixty-six percent of all malt barley purchased was grown in North Central Montana. Central Montana growers produced 19 percent of the total.

This survey was requested and funded by the Montana Wheat and Barley Committee.

Special thanks to the maltsters, brewers, and grain farms who cooperated in furnishing data.

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Peggy Stringer, State Statistician  
Steve Sakry, Agricultural Statistician

Montana Department of Agriculture  
Ralph Peck, Director

Montana Wheat & Barley Committee

# Montana Barley Used to Produce Malt, 1996-98 Crops

VARIETY	CROP YEAR 1/	DISTRICTS					STATE	
		N. CENTRAL 2/	CENTRAL	SOUTHWEST	S. CENTRAL	SOUTHEAST 3/	BUSHEL'S	PROTEIN
ANHEUSER- BUSCH VARIETIES	1996 1997 1998	6,200,000 5,050,000 2,887,000	450,000 410,000 933,000		515,000 500,000 410,000		7,165,000 5,960,000 4,230,000	12.5 12.3 12.5
GALENA	1996 1997 1998	569,000 105,000 620,000			1,164,000 1,046,000 305,000		1,733,000 1,151,000 925,000	11.4 11.3 11.0
HARRINGTON	1996 1997 1998	6,897,000 11,724,000 8,095,000	950,000 2,635,000 2,429,000	345,000 111,000 540,000	200,000 285,000		8,192,000 14,670,000 11,349,000	12.6 12.6 12.8
MORAVIAN III	1996 1997 1998	503,000 480,000			49,000		552,000 480,000	11.6 11.8
MORAVIAN 22	1996 1997 1998				675,000		675,000	11.1
MOREX	1996 1997 1998	185,000 255,000 230,000	153,000	375,000 461,000 400,000	121,000		560,000 990,000 630,000	12.7 12.5 13.2
OTHER	1996 1997 1998	235,000 369,000 37,500	50,000 106,000	231,000 64,000 46,000	20,000	5,000 5,000	521,000 544,000 103,500	12.2 12.1 12.6
TOTAL	1996 1997 1998	14,589,000 17,983,000 11,869,500	1,450,000 3,304,000 3,362,000	951,000 636,000 986,000	1,728,000 1,867,000 1,695,000	5,000 5,000	18,723,000 23,795,000 17,912,500	12.4 12.4 12.6
1/ Crop year defined as July 1 to June 30. 2/ Includes Northwest. 3/ Includes Northeast.								

1/ Crop year defined as July 1 to June 30. 2/ Includes Northwest. 3/ Includes Northeast.



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# na for Malt 1999 Crop

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Released: September 25, 2000

## Maltsters and Brewers Purchased 19.4 Million Bushels of the 1999 Barley Crop

Maltsters and brewers purchased 19.4 million bushels of Montana's 1999 barley crop to make malt, up 8 percent from 1998, but down nearly 19 percent from the 1997 crop year, according to a recent survey conducted by the Montana Agricultural Statistics Service. The survey was requested and funded by the Montana Wheat and Barley Committee. The average protein of the 1999 malting crop was 12.6 percent, which is the same average protein obtained from the 1998 crop.

Montana growers planted 1.30 million acres of barley in 1999, down 50,000 acres from 1998. Of the total, about 780,000 acres were planted to malting type varieties. If the yield of malting varieties equaled the state average yield per planted acre for all barley, then approximately 34.5 million bushels of malting type would be produced. Since only 19.4 million bushels were used for malt, the remaining 15.1 did not make the malting grade or exceeded demand for malting barley. The barley utilized for malt represented nearly 34 percent of the 1999 total barley crop compared with 31 percent in 1998 and 39 percent in 1997.

Harrington was the variety most frequently purchased by Maltsters and brewers and represented 52 percent of the total purchases. Anheuser Busch varieties were the second most commonly purchased. Seventy-six percent of all malt barley purchased was grown in North Central Montana. South Central Montana growers produced nearly 13 percent of the total.

This survey was requested and funded by the Montana Wheat and Barley Committee.

Special thanks to the maltsters, brewers, and grain farms who cooperated in furnishing data.

Montana Agricultural Statistics  
Peggy Stringer, State Statistician  
Darin Jantzi, Agricultural Statistician

Montana Department of Agriculture  
Ralph Peck, Director

Montana Wheat & Barley Committee

MONTANA BARLEY USED TO PRODUCE MALT, 1997-99 CROPS

VARIETY	CROP 1/ YEAR	DISTRICTS					STATE	
		N. Central 2/	Central	Southwest	S. Central	Southeast 3/	Bushels	Protein
ANHEUSER-BUSCH VARIETIES	1997 1998 1999	5,050,000 2,887,000 5,345,000	410,000 933,000 645,000		500,000 410,000 500,000		5,960,000 4,230,000 6,490,000	12.3 12.5 12.6
GALENA	1997 1998 1999	105,000 620,000 680,000			1,046,000 305,000		1,151,000 925,000 680,000	11.3 11.0 11.4
HARRINGTON	1997 1998 1999	11,724,000 8,095,000 8,434,000	2,635,000 2,429,000 1,020,000	111,000 540,000 173,000	200,000 285,000 500,000		14,670,000 11,349,000 10,127,000	12.6 12.8 12.9
MORAVIAN III	1997 1998 1999	480,000					480,000	11.8
MORAVIAN 22	1997 1998 1999							
	1997 1998 1999							
MOREX	1997 1998 1999	112,400 255,000 230,000			675,000 1,425,000		675,000 1,537,400	11.1 11.3
	1997 1998 1999	255,000 230,000 196,000	153,000 295,700	461,000 400,000	121,000		990,000 630,000 491,700	12.5 13.2 12.7
OTHER	1997 1998 1999	369,000 37,500 48,100	106,000 15,700	64,000 46,000	20,000	5,000	544,000 103,500 63,800	12.1 12.6 12.1
TOTAL	1997 1998 1999	17,983,000 11,869,500 14,815,500	3,304,000 3,362,000 1,976,400	636,000 986,000 173,000	1,867,000 1,695,000 2,425,000	5,000	23,795,000 17,912,500 19,389,900	12.4 12.6 12.6

1/ Crop year defined as July 1 to June 30

2/ Includes Northwest

3/ Includes Northeast

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Released: September 25, 2001

## Maltsters and Brewers Purchased 13.1 Million Bushels of the 2000 Barley Crop

Maltsters and brewers purchased 13.1 million bushels of Montana's 2000 barley crop to make malt, down 33 percent from 1999, according to a recent survey conducted by the Montana Agricultural Statistics Service. The survey was requested and funded by the Montana Wheat and Barley Committee. The average protein of the 2000 malting crop was 12.4 percent, which is 0.2 percent less than the average protein obtained from the 1999 crop.

Montana growers planted 1.25 million acres of barley in 2000, down 50,000 acres from 1999. Of the total, over 823,000 acres were planted to malting type varieties. If the yield of malting varieties equaled the state average yield per planted acre for all barley, then approximately 25.0 million bushels of malting type would have been produced. Since only 13.1 million bushels were used for malt, the remaining 11.9 did not make the malting grade or exceeded demand for malting barley. The barley utilized for malt represented approximately 34 percent of the 2000 total barley crop compared with 34 percent in 1999 and 31 percent in 1998.

Anheuser Busch varieties were the most frequently purchased by maltsters and brewers and represented 42.4 percent of the total purchases. Harrington varieties were the second most commonly purchased. Seventy-one percent of all malt barley purchased was grown in North Central Montana. South Central Montana growers produced over 19 percent of the total.

This survey was requested and funded by the Montana Wheat and Barley Committee.

Special thanks to the maltsters, brewers, and grain farms who cooperated in furnishing data.

Montana Agricultural Statistics  
Peggy Stringer, State Statistician  
John Gibbons, Agricultural Statistician

Montana Wheat & Barley Committee

Montana Department of Agriculture  
Ralph Peck, Director

## MONTANA BARLEY USED TO PRODUCE MALT, 1998-2000 CROPS

VARIETY	CROP 1/ YEAR	DISTRICTS				STATE	
		N. Central 2/ Central	Southwest	S. Central	Southeast 3/ Protein		
ANHEUSER- BUSCH VARIETIES	1998	2,887,000	933,000	410,000	4,230,000	12.5	
	1999	5,345,000	645,000	500,000	6,490,000	12.6	
	2000	4,615,000	390,000	530,000	5,535,000	12.2	
GALENA	1998	620,000		305,000	925,000	11.0	
	1999	680,000			680,000	11.4	
	2000	108,000			108,000	12.6	
HARRINGTON	1998	8,095,000	2,429,000	285,000	11,349,000	12.8	
	1999	8,434,000	1,020,000	500,000	10,127,000	12.9	
	2000	4,272,800	325,700	366,000	5,230,700	12.8	
MORAVIAN 22	1998			675,000	675,000	11.1	
	1999	112,400		1,425,000	1,537,400	11.3	
	2000			1,625,000	1,625,000	11.6	
MORAVIAN 37	1998						
	1999						
	2000	120,000			120,000	12.6	
MOREX	1998	230,000			630,000	13.2	
	1999	196,000	295,700		491,700	12.7	
	2000	80,700	337,400		418,100	12.6	
OTHER	1998	37,500	46,000	20,000	103,500	12.6	
	1999	48,100	15,700		63,800	12.1	
	2000	16,200			16,200	13.2	
TOTAL	1998	11,869,500	3,362,000	1,695,000	17,912,500	12.6	
	1999	14,815,500	1,976,400	2,425,000	19,389,900	12.6	
	2000	9,212,700	715,700	2,521,000	13,053,000	12.4	
1/ Crop year defined as July 1 to June 30							
2/ Includes Northwest							
3/ Includes Northeast							



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Released: September 25, 2002

## Maltsters and Brewers Purchased 7.5 Million Bushels of the 2001 Barley Crop

Maltsters and brewers purchased 7.5 million bushels of Montana's 2001 barley crop to make malt, down 42 percent from 2000, according to a recent survey conducted by the Montana Agricultural Statistics Service. The survey was requested and funded by the Montana Wheat and Barley Committee. The average protein of the 2001 malting crop was 12.2 percent, which is 0.2 point less than the average protein obtained from the 2000 crop.

Montana growers seeded 1.10 million acres of barley in 2001, down 150,000 acres from 2000. Of the total, over 650,000 acres were seeded to malting type varieties. If the yield of malting varieties equaled the state average yield per planted acre for all barley, then approximately 17.4 million bushels of malting type would have been produced. Because only 7.5 million bushels were used for malt, the remaining 9.9 million bushels did not make the malting grade or exceeded demand for malting barley. The barley utilized for malt represented approximately 26 percent of the 2001 total barley crop compared with 34 percent in both 2000 and 1999.

Anheuser Busch varieties were the most frequently purchased by maltsters and brewers and represented 46.3 percent of the total purchases. Harrington varieties were the second most commonly purchased. Seventy-one percent of all malt barley purchased was grown in North Central Montana. South Central Montana growers produced over 17 percent of the total.

This survey was requested and funded by the Montana Wheat and Barley Committee.

Special thanks to the maltsters, brewers, and grain farms who cooperated in furnishing data.

Montana Agricultural Statistics  
Peggy Stringer, State Statistician  
John Gibbons, Agricultural Statistician

Montana Department of Agriculture  
Ralph Peck, Director

Montana Wheat & Barley Committee



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[nass-mt@nass.usda.gov](mailto:nass-mt@nass.usda.gov)

Released: September 19, 2003

## Maltsters and Brewers Purchased 9.3 Million Bushels of the 2002 Barley Crop

Maltsters and brewers purchased 9.3 million bushels of Montana's 2002 barley crop to make malt, up 23 percent from 2001, according to a recent survey conducted by the Montana Agricultural Statistics Service. The survey was requested and funded by the Montana Wheat and Barley Committee. The average protein of the 2002 malting crop was 13.0 percent, which is 0.8 point more than the average protein of the 2001 crop.

Montana growers seeded 1.20 million acres of barley in 2002, up 100,000 acres from 2001. Of the total, over 740,000 acres were seeded to malting type varieties. If the yield of malting varieties equaled the state average yield per planted acre for all barley, then approximately 24.6 million bushels of malting type would have been produced. Because only 9.3 million bushels were used for malt, the remaining 15.3 million bushels did not make malting grade or exceeded demand for malting barley. The barley utilized for malt represented approximately 23 percent of the 2002 total barley crop, compared with 26 and 34 percent in 2001 and 2000, respectively.

Harrington was the most frequently purchased variety by maltsters and brewers and represented 37 percent of the total purchases. Anheuser-Busch varieties, at 36 percent of total, were the second most commonly purchased. Fifty-eight percent of all malt barley purchased was grown in north central Montana, compared to 71 percent last year. South central Montana growers produced 23 percent of the total.

This survey was requested and funded by the Montana Wheat and Barley Committee.

Special thanks to the maltsters, brewers, and grain farms who cooperated in furnishing data.

Montana Agricultural Statistics Service  
Peggy Stringer, State Statistician  
John Gibbons, Agricultural Statistician

Montana Department of Agriculture  
Ralph Peck, Director

Montana Wheat & Barley Committee  
Daniel Kidd, Chairman





# MONTANA BARLEY PURCHASED TO PRODUCE MALT, 2000-2002 CROPS

VARIETY	CROP 1/ YEAR	DISTRICTS					STATE	
		N. Central 2/	Central	Southwest	S. Central	Southeast 3/	Bushels	Protein 4/
ANHEUSER-BUSCH VARIETIES	2000	4,615,000	390,000		530,000		5,535,000	12.2
	2001	3,490,000					3,490,000	12.0
	2002	2,105,000	919,000		306,000		3,330,000	12.8
GALENA	2000	108,000					108,000	12.6
	2001							
	2002							
HARRINGTON	2000	4,272,800	325,700	237,600	366,000	28,600	5,230,700	12.8
	2001	1,785,000	169,000	372,000	125,000	17,000	2,468,000	12.7
	2002	2,692,000	548,000	196,000			3,436,000	13.3
MORAVIAN 22	2000				1,625,000		1,625,000	11.6
	2001							
	2002							
MORAVIAN 37	2000	120,000					120,000	12.6
	2001		75,000		1,220,000		1,295,000	11.8
	2002	617,000			1,790,000	88,000	2,495,000	12.8
MOREX	2000	80,700		337,400			418,100	12.6
	2001		30,000	134,000			164,000	11.8
	2002							
OTHER	2000	16,200					16,200	13.2
	2001	71,000	27,000	23,000			121,000	13.1
	2002			28,000			28,000	11.8
TOTAL	2000	9,212,700	715,700	575,000	2,521,000	28,600	13,053,000	12.4
	2001	5,346,000	301,000	529,000	1,345,000	17,000	7,538,000	12.2
	2002	5,414,000	1,467,000	224,000	2,096,000	88,000	9,289,000	13.0

1/ Crop year defined as July 1 to June 30. 2/ Includes Northwest. 3/ Includes Northeast. 4/ Computed prior to rounding purchases.



# Montana Barley for Malt 2003 Crop

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Released: September 30, 2004



## Maltsters and Brewers Purchased 14.8 Million Bushels of the 2003 Barley Crop

Maltsters and brewers purchased 14.8 million bushels of Montana's 2003 barley crop to make malt, up 59 percent from 2002, according to a recent survey conducted by the Montana Agricultural Statistics Service. The survey was requested and funded by the Montana Wheat and Barley Committee. The average protein of the 2003 malting crop was 12.2 percent, which is 0.8 point lower than the average protein of the 2002 crop.

Montana growers seeded 1.15 million acres of barley in 2003, down 30,000 acres from 2002. Of the total, over 719,000 acres were seeded to malting type varieties. If the yield of malting varieties equaled the state average yield per planted acre for all barley, then approximately 21.3 million bushels of malting type would have been produced. Because only 14.8 million bushels were used for malt, the remaining 6.5 million bushels did not make malting grade or exceeded demand for malting barley. The barley utilized for malt represented approximately 47 percent of the 2003 total barley crop, compared with 24 and 26 percent in 2002 and 2001, respectively.

Harrington was the most frequently purchased variety by maltsters and brewers and represented 41 percent of the total purchases. Anheuser-Busch varieties, at 37 percent of total, were the second most commonly purchased. Sixty-eight percent of all malt barley purchased was grown in north central Montana, compared to 58 percent last year. South central Montana growers produced 19 percent of the total.

This survey was requested and funded by the Montana Wheat and Barley Committee.

Special thanks to the maltsters, brewers, and grain elevators who cooperated in furnishing data.

Montana Agricultural Statistics Service  
Peggy Stringer, Director  
Christel Pachl, Agricultural Statistician

Montana Department of Agriculture  
Ralph Peck, Director

Montana Wheat & Barley Committee  
Daniel Kidd, Chairman

## MONTANA BARLEY PURCHASED TO PRODUCE MALT, 2001-2003 CROPS

VARIETY	CROP 1/ YEAR	DISTRICTS					STATE	
		N. Central 2/	Central	Southwest	S. Central	Southeast 3/	Bushels	Protein 4/
ANHEUSER-BUSCH VARIETIES	2001	3,490,000					3,490,000	12.0
	2002	2,105,000	919,000		306,000		3,330,000	12.8
	2003	4,190,000	762,000		520,000		5,472,000	12.1
HARRINGTON	2001	1,785,000	169,000	372,000	125,000	17,000	2,468,000	12.7
	2002	2,692,000	548,000	196,000			3,436,000	13.3
	2003	5,424,000	217,000		126,000	90,000	5,857,000	12.7
LEGACY	2001							
	2002							
	2003	294,000	73,000			328,000	695,000	12.5
MORAVIAN 37	2001		75,000		1,220,000		1,295,000	11.8
	2002	617,000			1,790,000	88,000	2,495,000	12.8
	2003	80,000			2,200,000	179,000	2,459,000	11.2
MOREX	2001		30,000	134,000			164,000	11.8
	2002							
	2003							
OTHER	2001	71,000	27,000	23,000			121,000	13.1
	2002			28,000			28,000	11.8
	2003					295,000	295,000	12.7
TOTAL	2001	5,346,000	301,000	529,000	1,345,000	17,000	7,538,000	12.2
	2002	5,414,000	1,467,000	224,000	2,096,000	88,000	9,289,000	13.0
	2003	9,988,000	1,052,000		2,846,000	892,000	14,778,000	12.2
1/ Crop year defined as July 1 to June 30. 2/ Includes Northwest. 3/ Includes Northeast. 4/ Computed prior to rounding purchases.								



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2004 Crop

Released: October 7, 2005



## Maltsters and Brewers Purchased 19.7 Million Bushels of the 2004 Barley Crop

Maltsters and brewers purchased 19.7 million bushels of Montana's 2004 barley crop to make malt, up 33 percent from 2003, according to a recent survey conducted by the USDA, NASS-Montana Field Office. The survey was requested and funded by the Montana Wheat and Barley Committee. The average protein of the 2004 malting crop was 12.0 percent, which is 0.2 points lower than the average protein of the 2003 crop.

Montana growers seeded 1.00 million acres of barley in 2004, down 150,000 acres from 2003. Of the total, over 700,000 acres were seeded to malting type varieties. If the yield of malting varieties equaled the state average yield per planted acre for all barley, then approximately 34.3 million bushels of malting type would have been produced. Because only 19.7 million bushels were used for malt, the remaining 14.6 million bushels did not make malting grade or exceeded demand for malting barley. The barley utilized for malt represented approximately 40 percent of the 2004 total barley crop, compared with 43 and 24 percent in 2003 and 2002, respectively.

Harrington was the most frequently purchased variety by maltsters and brewers and represented 35 percent of the total purchases. Anheuser-Busch varieties, at 27 percent of total, were the second most commonly purchased. Fifty-two percent of all malt barley purchased was grown in North Central Montana, compared to 60 percent last year. South Central Montana growers produced 18 percent of the total.

This survey was requested and funded by the Montana Wheat and Barley Committee.

Special thanks to the maltsters, brewers, and grain elevators who cooperated in furnishing data.

USDA, NASS-MT Field Office  
Peggy Stringer, Director  
Christel Pachl, Agricultural Statistician

Montana Department of Agriculture  
Nancy K. Peterson, Director

Montana Wheat & Barley Committee  
Kimberly Falcon, Executive Vice President

# MONTANA BARLEY PURCHASED TO PRODUCE MALT, 2002-2004 CROPS

VARIETY	CROP 1/ YEAR	DISTRICTS						STATE		
		N. Central	Northeast	Central	S. Central	Southeast	Southwest 2/	Bushels	% Protein 3/	% Plump 3/
ANHEUSER-BUSCH VARIETIES	2002	2,105,000		919,000	306,000			3,330,000	12.8	
	2003	4,190,000		762,000	520,000			5,472,000	12.1	
	2004	3,985,000		790,000	426,000		25,000	5,226,000	11.7	86
HARRINGTON	2002	2,692,000		548,000			196,000	3,436,000	13.3	
	2003	4,336,000	81,000	217,000	126,000	9,000	1,088,000	5,857,000	12.7	
	2004	4,987,000	193,000	1,045,000	620,000			6,845,000	12.0	84
LEGACY	2002									
	2003	294,000	295,000	73,000		33,000		695,000	12.5	
	2004	190,000	1,400,000	55,000		350,000		1,995,000	12.9	78
METCALFE	2002									
	2003									
	2004	510,000		145,000				655,000	11.6	84
MORAVIAN 37	2002	617,000	88,000		1,790,000			2,495,000	12.8	
	2003	80,000	120,000		2,200,000	59,000		2,459,000	11.2	
	2004	442,000			2,348,000			2,790,000	11.3	92
TRADITION	2002									
	2003									
	2004	210,000	1,000,000	90,000		750,000		2,050,000	12.9	77
OTHER	2002									
	2003					295,000	28,000	28,000	11.8	
	2004	5,000			53,000		75,000	133,000	12.7	93
TOTAL	2002	5,414,000	88,000	1,467,000	2,096,000			9,289,000	13.0	
	2003	8,900,000	496,000	1,052,000	2,846,000	396,000	1,088,000	14,778,000	12.2	
	2004	10,329,000	2,593,000	2,125,000	3,447,000	1,100,000	100,000	19,694,000	12.0	84

1/ Crop year defined as July 1 to June 30. 2/ Includes Northwest. 3/ Computed prior to rounding purchases.

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# Montana Survey for Malt 2005 Crop



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Released: September 12, 2006

## Maltsters and Brewers Purchased 22.5 Million Bushels of the 2005 Barley Crop

Maltsters and brewers purchased 22.5 million bushels of Montana's 2005 barley crop to make malt, up 14 percent from 2004 and up 52 percent from the 2003 crop year, according to a recent survey conducted by the USDA, NASS, Montana Field Office. The survey was requested and funded by the Montana Wheat and Barley Committee. The average protein of the 2005 malting crop was 12.2 percent, which is 0.2 points higher than the average protein of the 2004 crop. Average plumpness increased 2 percent from the 2004 crop to 86 percent.

Montana growers planted 900,000 acres of barley in 2005, down 100,000 acres from 2004. Of the total, 515,000 acres were planted to malting barley varieties. The malt barley utilized represented 57 percent of the 2005 total barley crop, compared with 40 percent in 2004 and 43 percent utilized in 2003.

Anheuser-Busch varieties were the most frequently purchased by maltsters and brewers and represented 41 percent of the total purchases. Harrington and Metcalfe were also commonly purchased varieties at 28 percent and 17 percent, respectively. Sixty-five percent of all malt barley purchased was grown in North Central Montana. Northeast Montana growers produced 15 percent of the total, and South Central growers accounted for 10 percent of the malt barley total.

This survey was requested and funded by the Montana Wheat and Barley Committee.

Special thanks to the maltsters, brewers, and grain elevators who cooperated in furnishing data.

USDA, NASS, Montana Field Office  
Peggy Stringer, Director  
Lindsey Houska, Agricultural Statistician

Montana Department of Agriculture  
Nancy K. Peterson, Director

Montana Wheat & Barley Committee  
Kimberly Falcon, Executive Vice President







## Montana Barley for Malt 2006 Crop

Cooperating with the Montana Department of Agriculture  
10 W 15<sup>th</sup> Street, Suite 3100 · Helena, MT 59626  
800-835-2612 · FAX 800-915-6277 · [www.nass.usda.gov/mt](http://www.nass.usda.gov/mt)

Released: October 2, 2007

### Maltsters and Brewers Purchased 21.5 Million Bushels of the 2006 Montana Barley Crop

Maltsters and brewers purchased 21.5 million bushels of Montana's 2006 barley crop to make malt, down 4 percent from 2005 and up 9 percent from the 2004 crop year, according to a recent survey conducted by the USDA, NASS, Montana Field Office. The survey was requested and funded by the Montana Wheat and Barley Committee. The average protein of the 2006 malting crop was 12.3 percent, which is 0.1 points higher than the average protein of the 2005 crop. Average plumpness decreased 2 percentage points from the 2005 crop to 84 percent.

Montana growers planted 770,000 acres of barley in 2006, down 130,000 acres from 2005. Of the total, approximately 486,000 acres were planted to malting barley varieties. The malt barley utilized represented 69 percent of the 2006 total barley crop, compared with 57 percent in 2005 and 40 percent utilized in 2004.

Harrington was the most frequently purchased variety by maltsters and brewers this year. Harrington accounted for 38 percent of the total purchases. Metcalfe, Merit, and Tradition were also commonly purchased varieties at 21 percent, 12 percent, and 10 percent of the total, respectively. Forty-eight percent of all malt barley purchased was grown in North Central Montana compared with 65 percent of the previous year's crop and 52 percent of the 2004 crop. Twenty-one percent was purchased from Central Montana growers, and 14 percent of the total was purchased from the Northeast district.

This survey was requested and funded by the Montana Wheat and Barley Committee.

Special thanks to the maltsters, brewers, and grain elevators who cooperated in furnishing data.

USDA, NASS, Montana Field Office  
Peggy Stringer, Director  
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Kimberly Falcon, Executive Vice President

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## MONTANA BARLEY PURCHASED TO PRODUCE MALT, 2004-2006 CROPS

VARIETY	CROP YEAR 1/ 2	DISTRICTS					STATE		
		N. Central	Northeast 2/ 3	Central	S. Central	Southwest 3/ 4	Bushels	% Protein 4/	% Plump 4/
HARRINGTON	2004	4,987,000	193,000	1,045,000	620,000		6,845,000	12.0	84
	2005	5,136,000	134,000	646,000	25,000	322,000	6,263,000	12.4	86
	2006	4,761,000	24,000	2,480,000	340,000	524,000	8,129,000	12.7	84
METCALFE	2004	510,000		145,000			655,000	11.6	84
	2005	3,384,000	29,000	366,000			3,779,000	12.0	87
	2006	2,830,000		1,254,000		381,000	4,465,000	12.6	81
MERIT	2004	2,250,000		350,000	62,000		2,662,000	11.5	84
	2005	2,310,000		408,000	76,000	14,000	2,808,000	11.7	85
	2006	1,822,000		513,000	115,000	100,000	2,550,000	11.9	85
TRADITION	2004	210,000	1,750,000	90,000			2,050,000	12.9	77
	2005		1,444,000	12,000			1,456,000	12.7	89
	2006		2,162,000				2,162,000	12.0	82
CONRAD	2004								
	2005	394,000		70,000			464,000	12.0	94
	2006	777,000		220,000	700,000		1,697,000	11.8	91
MORAVIAN 37	2004	442,000			2,348,000		2,790,000	11.3	92
	2005	505,000			1,588,000		2,093,000	11.9	92
	2006				1,691,000		1,691,000	11.4	93
LEGACY	2004	190,000	1,750,000	55,000			1,995,000	12.9	78
	2005		1,435,000	7,000			1,442,000	12.1	78
	2006		672,000				672,000	11.4	78
OTHER 5/	2004	1,740,000		440,000	417,000	100,000	2,697,000	11.9	87
	2005	2,810,000	359,000	461,000	465,000	50,000	4,145,000	12.5	84
	2006	41,000	103,000				144,000	12.1	86
TOTAL	2004	10,329,000	3,693,000	2,125,000	3,447,000	100,000	19,694,000	12.0	84
	2005	14,539,000	3,401,000	1,970,000	2,154,000	386,000	22,450,000	12.2	86
	2006	10,231,000	2,961,000	4,467,000	2,846,000	1,005,000	21,510,000	12.3	84

1/ Crop year defined as July 1 to June 30. 2/ Includes Southeast. 3/ Includes Northwest. 4/ Computed prior to rounding purchases.

5/ Includes B1202 and other varieties.

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